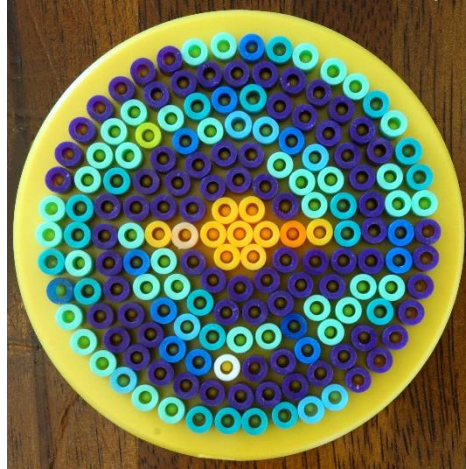
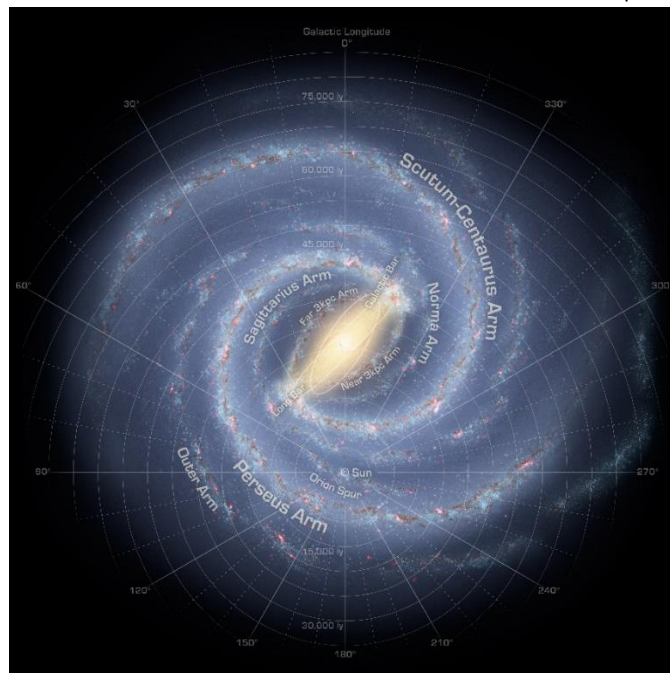


## Milky Way Galaxy - Melty Bead Instructions

1. Before you get started making your Milky Way Galaxy, gather your materials and find a clear flat area to work on. You may also want to use a few small bowls to hold your beads while you make your design!
2. Following the chart below, place your beads on the reusable bead peg board following the colored pattern.



This Milky Way Galaxy pattern was inspired by NASA's artistic image of our Milky Way Galaxy created by R. Hurt (SSC/Caltech) (<https://solarsystem.nasa.gov/resources/285/the-milky-way-galaxy/>). The white bead in the above pattern represents our Solar System's location within our galaxy as seen in the image below. Our Milky Way is a spiral type galaxy and has two main "arms" where stars form and bunch up along. These stars,



Artistic drawing of our Milky Way Galaxy. Credit: NASA/JPL-Caltech/R. Hurt (SSC/Caltech)

including our Sun, orbit around the center of the galaxy, within which a super massive black hole (about 4 million times the mass of our Sun) lies

([https://www.nasa.gov/mission\\_pages/chandra/multimedia/black-hole-SagittariusA.html](https://www.nasa.gov/mission_pages/chandra/multimedia/black-hole-SagittariusA.html))! Fun

Fact: Astronomers just released the first ever image of a super massive black hole at the center of the galaxy M87! Check out their image here <https://eventhorizontelescope.org/>.

3. Once you've completed your design, grab an adult!
4. Ask your adult to preheat an iron to its dry, medium heat setting.
5. Once the iron is done preheating, carefully place the ironing paper over your design and have your adult iron the paper on top of your work for 10-20 seconds or until they see the beads have melted together.
6. Let your design cool before peeling the ironing paper off.
7. If you would like both sides of your design to be melted, ask your adult to flip over your work, place the ironing paper on the unmelted side, then iron again following steps 5 & 6.
8. Enjoy your Milky Way Galaxy!